

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L27/26

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE BOT P ET AL: "An example of a multi-resolution digital terrestrial TV modem" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMMUNICATIONS (ICC), vol. 3, 23 May 1993 (1993-05-23), - 26 May 1993 (1993-05-26) pages 1785-1790, XP010137188 IEEE, NEW YORK, US ISBN: 0-7803-0950-2 section 3.3 figure 6  ----- -/--	1-3,6-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

19 November 2004

Date of mailing of the international search report

29/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Moreno, M

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 2003/039321 A1 (JIANG YIMIN ET AL) 27 February 2003 (2003-02-27) page 1, column 2, paragraph 8 - paragraph 9 page 1, column 2, paragraph 14 - page 2, column 1, paragraph 15 page 3, paragraph 55 page 3, column 2, paragraph 60 page 5, column 2, paragraph 80 page 6, paragraph 93 figures 2A-2C figures 11A-11D</p>	1,2,6-10
A	<p>DI ZENOBIO D ET AL: "AN ALTERNATIVE MODULATION SCHEME IN DIGITAL TELEVISION FOR TERRESTRAL BROADCASTING (DTTB)" IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, vol. 40, no. 4, November 1994 (1994-11), pages 913-919, XP000495830 IEEE, NEW YORK, US ISSN: 0098-3063 page 915, section 3.1.2 figure 2</p>	1,4,6-9
A	<p>US 2002/080887 A1 (JEONG YOUNG-HO ET AL) 27 June 2002 (2002-06-27) page 5, column 2, paragraph 86 - paragraph 88</p>	2,3,5

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003039321	A1	27-02-2003	NONE	
US 2002080887	A1	27-06-2002	KR 2002031009 A	26-04-2002